

Product datasheet for **SC203718**

FHIT (NM_002012) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FHIT (NM_002012) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	FHIT
Synonyms:	AP3Aase; FRA3B
ACCN:	NM_002012
Insert Size:	2000 bp



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Insert Sequence: >SC203718 3'UTR clone of NM_002012
 The sequence shown below is from the reference sequence of NM_002012. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCCGCGAGCTCTGCGGGTCTACTTTCAGTACACAGATGTTTTTCAGATCCTGAATCCAGCAAAAAGAGC
TATTGCCAACCAGTTTGAAGACCGCCCCCGCCTCTCCCAAGAGGAACTGAATCAGCATGAAAATGCA
GTTTCTTCATCTCACCATCCTGTATTCTCAACCAGTGATCCCCACCTCGGTCACTCCAACCTCCCTTA
AAATACCTAGACCTAAACGGCTCAGACAGGCAGATTTGAGGTTTTCCCCTGTCTCCTTATTCGGCAGCC
TTATGATTAAACTTCTTCTCTGCTGCAACCCTGTGTCTCGGTGATTGACTTGCCATGAATTAGGCAA
CAAACCTATTACAGTTACAGTTACTTTTTAAAGGAAATCAATCGTTGGATTGGTCCACCTGCTTATT
TCTTCCCTTTTCAAAAAAATGTCTACATATTGAATTTTTATACATTAAGTGGTTCATGAAACCCCTGA
AATGTGTTAGTAAATAGGGCAATTATGAAATATTTGGACATAGCTAGACTTTAAAAATTGTTAATCTGA
AGGTCAGATAGACTTGGCCTTCTCCAGCTTTCGTGATTATCCCTCAGCAGCAAGCTAGTCTTAGGCAG
AGCAAGTTTAAAGACATTCATGGTGCTCACTCTGCAAACTGCACAATTCTCAACATGCACAGAGGCAG
ACATGATAGGGCTCAGCCCTGGAATTGATAACACTAGCCAACACACTTGCTAAGAATTTATAAGATGTA
GACCCTGTTATTATCCTGTCTTGCAAGTGATGAGAAAATAAGGCTTAAGGATGTTAAGTATTATTAGT
TCAAGGCCAACGGTAAGTGGCAAAGCTCAGATTTGAATCCAGGCAGTCCCACCCTAAAGGCCATTCTCT
TAGTCTGTGACTGCCCTCCTTGCTAAAAGAGCTCACCTCTAGCCACTTCCTTCTCCCTGTCCCATC
TCCCCTTGTAACCTCAAATAGTCTTCTTAGCCTTTCACCTTACTACTGGCCTATTTCTGCCTTGAG
GACCTCCACCTCCTCGCCTGCTGGACTTCTTCCCTTACCTGCTTGTAAATACAACCCTGCCAGCACC
TGCCCTCCCTGGTCACACTACAGCCAGGTAGCAGAAACCAAAATGGGCCTGGATTTCCCAACCAACTTG
GTTCTACTTGCAAGATTCTCAGATCATGCTGAATCCTGCCTAGGCTACCTCCCCTTTCTTTTCTTTA
CCATCTGACCACATGCCTAAATAAACATCACTTGGGCGAATACAGTGTTCCCAAAATGCATTATTCC
CATTTTGTGATGATTTTCTTATCTTTGTGGACCACCTAGAGCATTATTTACTTGATTCACTTTTGGAA
TTTTAGTATATATCTTAACTTTATATTTTTCAGCCTCAAAGAAAAACAAGTACTACCTGTAATTAGAA
GTTAAGCATAAAAATAACATAAGAGAAAAACAATGCTGATGATTTCCAGCTCTGCATAGTTGCTTGCC
TTAGCAACTAGGAGTGAGATTCACTCTGTGTTAAAAAGTGAGGCTAGCCACCATTAGAGGGGCATTT
AATTCTAGCACCACCAAACTCTCCATTTGGCATAATCAGAAGGATTAAGAGATAACCTACTGAG
AGATTCATGATGATCACTTAAGATTATCTTAAACAGGAATATGACTGACTCCCAACTTTGGAGAAACA
GCAGTGGAGGCCAGATCTTAAACCCAGAGCAAGCTGGCTTTAGACTTGCTTCAACCTAAACAGTACT
CCTTTCCACCCACCCACCTCCCCCAACCCCTGCAGGCATATCAAGAAGACAAGGTGCATGGGGGAAAA
CCAAAGAGTCAGCTTCCCTAGGGCTGATGGGTCAAATCTCAGTGCTTGCCTCTGACATTTGCTTGCCG
ACAGTCTGTCTTGAAAACCAACAGGTTGCAAAGAAGATGTGAACACCTATATCCAGAGATGCCCTAT
ACGCGTAAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002012.4](#)

Summary: The protein encoded by this gene is a P1-P3-bis(5'-adenosyl) triphosphate hydrolase involved in purine metabolism. This gene encompasses the common fragile site FRA3B on chromosome 3, where carcinogen-induced damage can lead to translocations and aberrant transcripts. In fact, aberrant transcripts from this gene have been found in about half of all esophageal, stomach, and colon carcinomas. The encoded protein is also a tumor suppressor, as loss of its activity results in replication stress and DNA damage. [provided by RefSeq, Aug 2017]

Locus ID: 2272

MW: 75.2